



BlueFan

High performance. Energy efficient. Intelligent design. Long durability.



Climate for Growth

BlueFan

HIGH PERFORMANCE

ENERGY EFFICIENT

INTELLIGENT DESIGN

LONG DURABILITY



Until now you have had to choose whether you wanted a wall fan with high performance or you preferred an energy-efficient fan.

From now on **NO COMPROMISES.**

BlueFan combines a high airflow ratio with a high energy efficiency which provides you the most powerful fan on the market.

We have developed the next generation of wall fans and have put a lot of effort into creating a unit that will bring value to your livestock house.



BlueFan

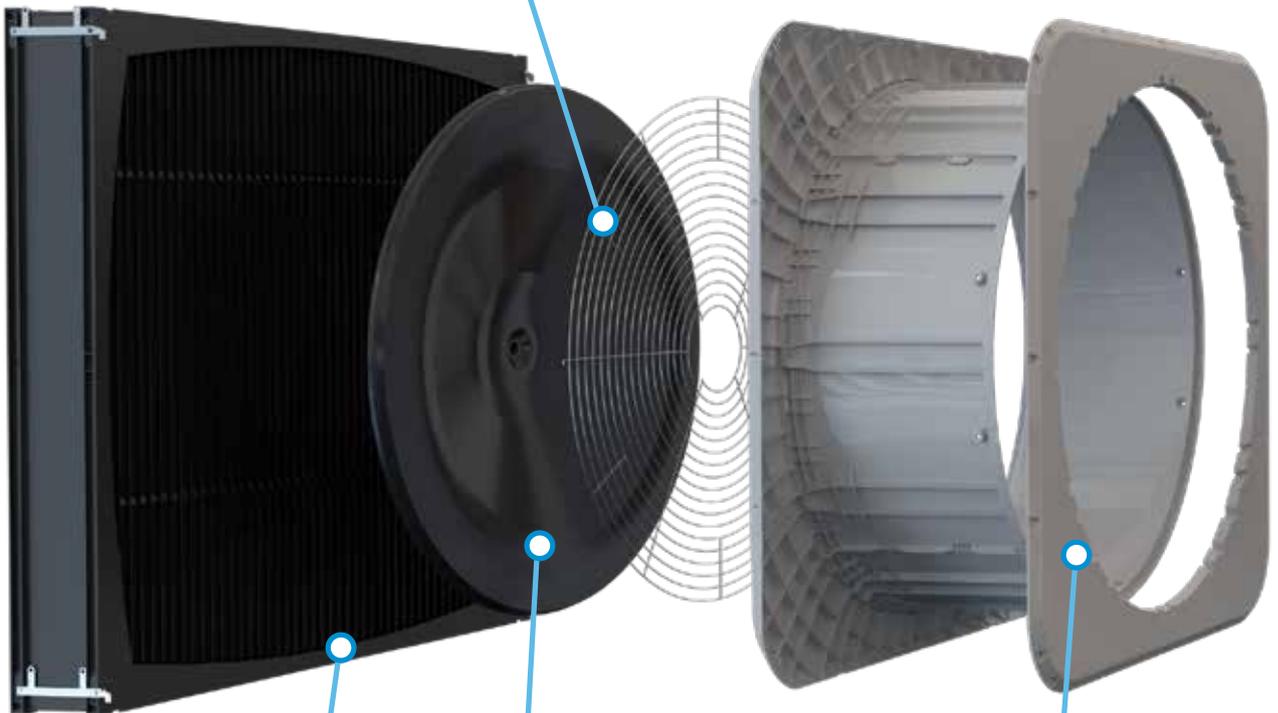
BlueFan – the next generation of wall fans

We have more than 40 years' experience in the development of ventilation systems. We have always focused on developing high-quality systems to ensure that the animals have the best possible conditions, as well as keeping energy consumption to a minimum. BlueFan combines the knowledge and experience.

PARTS

INSIDE SAFETY NET

Protection of livestock and people



LIGHT TRAP*

Minimal pressure drop and optimum light reduction

INSULATION PLATE*

No heat loss when not in use

OUTSIDE COVER*

Close and nice transition to wall

- Low power consumption
- No noise when shutter opens
- Easy to install and clean
- Full accessory program
- Higher output - less fans needed
- Long durability - fully plastic housing and plastic wings
- Plastic and stainless steel - no rust and corrosion



MOTOR

Motor is special SKOV design with optimum performance



SHUTTER

Closes tightly - no leak between shutter and fan house



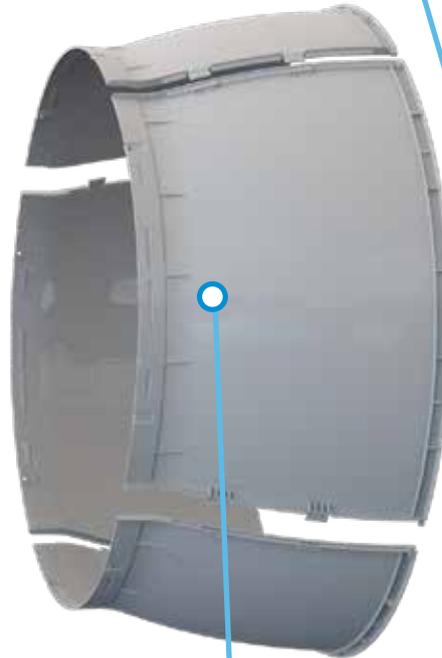
SAFETY NET*

No hazard zone in front of the fan



MOTORIZED SHUTTER

Possibility for emergency opening



DIRECT DRIVE

No use of belt between motor and wing

KNOCK DOWN

Large parts supplied as knock down - low transport volume

* Optional accessory

FACTS IN NUMBERS

In order to provide our customers the best solutions, our products are tested in laboratories and test centres as well as livestock house tests before they are released for sale. BlueFan has been tested on several poultry farms in Australia, Saudi Arabia and Thailand and the results were very convincing. On top of being less noisy than other fans and closing completely tight when not in operation, we have observed energy savings up to 70% per batch.



“During my first two batches in the summer, BlueFan used 70% less kWh than our previous fans and also the noise level was lower. We had a thunderstorm and prior to the emergency generator started, the BlueFan has opened up providing fresh air to the animals.”

Farm Manager Tim McCarthy, Australia



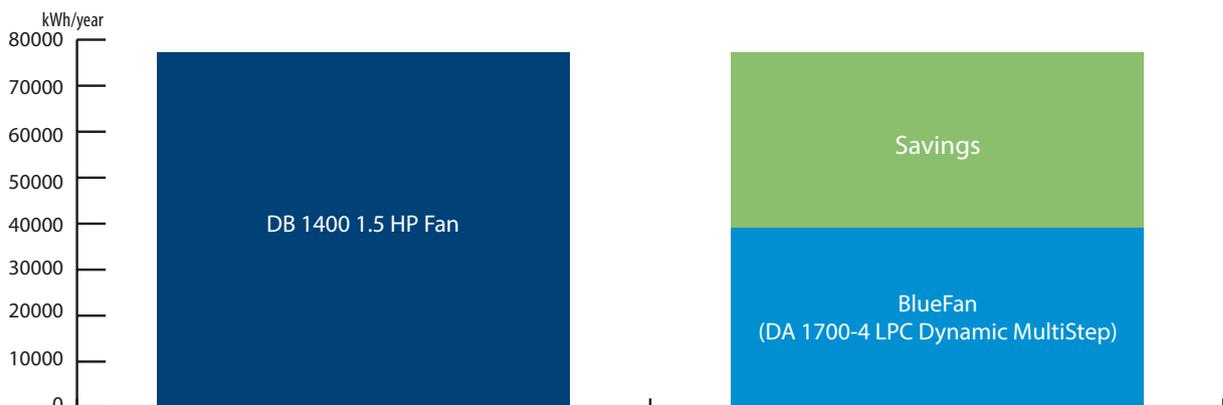
CASE STORY



A broiler producer from Manilla, Philippines, with 40 000 broilers of 2 kg considers investing in new fans for his livestock house ventilated with Combi-Tunnel. Today he ventilates the livestock house with 10 DB 1400 1.5 HP fans and he would like to know if he can reduce his energy consumption by installing BlueFan and what is the ROI?

	Power consumption kWh/year
Existing fan	77,300
BlueFan (DA 1700-4 LPC Dynamic MultiStep)	39,300
Annual savings	38,000 = 49% less kWh

The producer pays 0.10 €/kWh so his yearly savings amounts to 3800 €. This means his investment in BlueFan is paid back within 30 months.



*The example is a calculation based upon livestock house tests and climate profiles from StaldVent. We cannot guarantee that you will reach the same reduction in your energy consumption - it could be even more depending on local conditions, e.g. the energy prices, etc.

BESS Lab Performance tests

BlueFan has been tested at BESS Lab which is a research, product-testing and educational laboratory in Illinois. Bess Lab provides performance test results for agricultural ventilation fans and has tested the different variants of BlueFan which has resulted in 24 test reports. Below you see some of the impressive test results from BESS Lab. The figures are for 3x400V, yet other variants are available. Please visit BESS Lab or SKOV websites for more information.

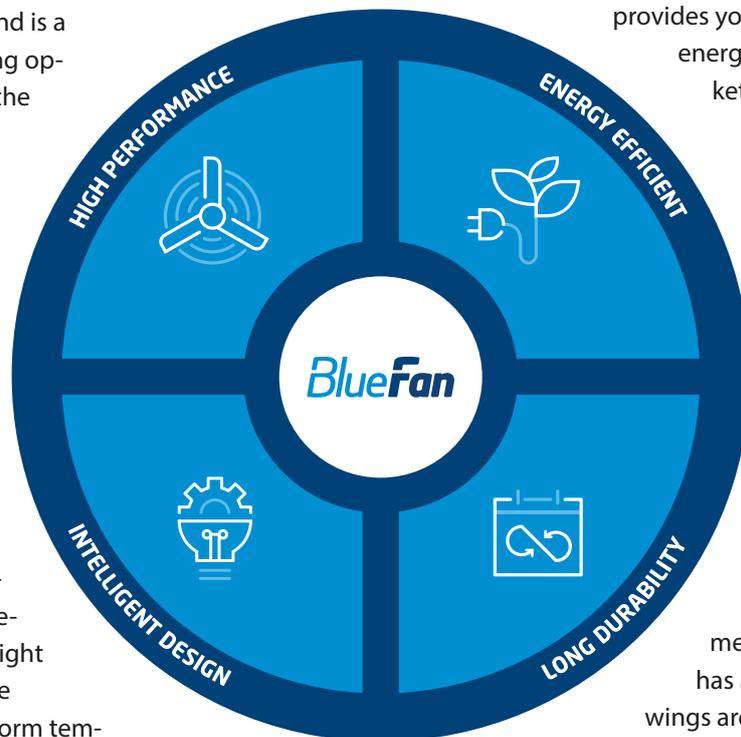
	Airflow		Energy consumption		Maximum negative pressure	Airflow Ratio	BESS Lab test
	CFM	m ³ /hr	cfm/Watt	W/1000m ³ /hr	Pa		
DA 1700-4 LPC	20900	35500	25.3	23.0	50	0.72	16803
DA 1700-5 LPC	27400	46600	21.3	28.0	80	0.82	16799
DA 1700-6 LPC	34300	58400	17.8	33.0	100	0.88	16800
DA 1700-7 ON/OFF	31200	53600	16.3	36.0	100	0.88	16819
DA 1700-8 ON/OFF	33800	57500	15.1	39.0	100	0.88	16820

Note: Above figures @ 0.15" H₂O or 37Pa

SUMMATION

BlueFan combines a minimum power consumption with high airflow ratio. The airflow ratio defines the pressure stability of the fan and is a determining factor for creating optimum climate conditions in the livestock house.

BlueFan operated with Dynamic MultiStep uses much less power to exhaust air from livestock houses and provides you the most pressure-stable and energy-efficient solution on the market. This lowers the utility bill and ensures you a fast ROI.



BlueFan is optimized as a high performance unit ensuring optimum airflow and is designed with an extremely airtight motorized shutter system. The shutter system ensures a uniform temperature at the fan end. It will save you costs for extra heating as no cold air will get into the house. Compared to competing fans on the market, BlueFan is very silent when in operation.

The fan is made of thermo-plastics and stainless steel, so it stands the harsh environment in a livestock house. The fan has a direct drive meaning that the wings are directly driven and no adjustment and maintenance of belts is needed. The motor and controller are separated which makes service and replacement less expensive.

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Dealer



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